

Abstract

An object of the present invention is to provide a polarized-light converting unit which is excellent in contrast performance and realizes high reliability and an increase in its life, and a projector device using the same.

A polarized-light converting unit includes first and second polarizing beam splitters provided in an integral form. The first polarizing beam splitter includes two incident planes on which two types of color light are respectively incident. The second polarizing beam splitter includes both a 1/4-wave plate and a first dichroic mirror, and a 1/4-wave plate and a second dichroic mirror, both of which are disposed on two adjacent surfaces different from a junction surface with the first polarizing beam splitter and an outgoing surface thereof.